

TABLE	A – LENGTH	"Z" FOR LINE	E A SAFETY	BARRIERS (m) (SEE NOTE	4,6 AND 7)	

PROTECTED WIDTH "B" (m)	15	13	11	9	8	7	6	5	4	3	2.5
SPEED (km∕h)	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90	110 100 90
"A" 23 SAFETY BARRIER 3 OFFSET FROM 4 TRAFFIC LANE 5 (m) 6 7	* 85 75 65 80 70 65 75 65 60 70 60 55 65 55 50 60 50 50 55 45 45 50 40 40	80 70 65 80 70 65 75 65 60 65 60 55 60 50 50 55 45 45 50 40 40 45 35 35	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 65 60 70 60 55 60 55 50 55 45 45 45 40 35 35 30 30 30 25 25 20 20 15	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	65 60 55 60 55 50 50 45 45 40 40 35 35 30 30 25 20 20 20 15 15	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	55 50 50 50 45 45 40 35 35 30 25 25 25 20 20	50 45 45 45 40 40 30 30 25 25 25 25	40 40 40 35 35 35 30 30 30	45 40 40 35 35 35 30 25 25
>10,000 9 VEHICLES/DAY 10 (AADT)** 11 12 13 14	45 35 35 35 35 30 30 30 25 25 25 20 20 20 15 15 15 15 15 15 15	35 30 30 30 25 25 25 20 20 15 15 15 15 15 15	25 25 20 20 15 15 15 15 15	*OFFSETS L REQUIRE RELE REFER VRS 1	LESS THAN 3.0m VANT AUTHORITY TO AGRD PART 6.	. Ai	DOPT 90km/h Z VAL PERATING SPEEDS E AND LESS THAN 90	LUES FOR QUAL TO Dkm/h.	TABL AGRD P AND ** "2	E A IS CALCULAT ART 6 'RUN-OUT Lr VALUES FROM 2" VALUES MAY E WITH AADT FACTO	ED USING THE LENGTH' METHOD AASHTO 2011. BE MULTIPLIED R BELOW
VEHICLES >10,000 (X /DAY 5,000-10,000 (X (AADT) 1,000-5,000 (X FACTOR <1,000 (X) 1.0 1.0 1.0) 0.92 0.89 0.85) 0.81 0.78 0.76) 0.7 0.69 0.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.0 1.0 1.0 0.92 0.89 0.85 0.81 0.78 0.76 0.7 0.69 0.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68	1.01.01.00.920.890.850.810.780.760.70.690.68

NOTES

1. SAFETY BARRIER TERMINOLOGY SHORTHAND AND GENERAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH SD 3500.

- 2. ALIGNMENT DETAILS IN THIS DRAWING APPLY TO ALL ACCEPTED SAFETY BARRIER PRODUCTS, WITH THE EXCEPTION OF WRSB WHICH SHALL REFER TO SD 3573 FOR FLARED TERMINALS.
- 3. DETAILS IN THIS DRAWING ARE FOR BARRIERS ON STRAIGHT SECTIONS OF ROAD. "Z" VALUES FOR CURVED SECTIONS OF ROAD SHALL USE THE "RUN-OUT LENGTH METHOD" IN ACCORDANCE WITH AGRD PART 6, SECTION 6.3.19 OR AASHTO 2011.
- 4. VALUES OF "Z" IN TABLE A ARE MINIMUM VALUES CALCULATED FROM A CURVE LENGTH OF 5m WITH APPROXIMATELY A 60m RADIUS AND FLARE RATE OF 12:1. SEE NOTE 6 FOR APPLICATION WITH OTHER BARRIER TYPES AND RESTRICTIONS. SEE NOTE 7 FOR OTHER AADT VOLUMES.
- 5. DIMENSIONS X AND Y ARE CALCULATED FROM Z VALUES. X=Z/2 AND Y=(Z/2)-CURVE LENGTH. IN ACCORDANCE WITH THE X.Y AND Z FIGURE. MINIMUM X VALUE IS 5m FOR GUARD FENCE AND 10m FOR WRSB.

- 2011. VALUES SHALL BE A MULTIPLE OF THE SAFETY BARRIER UNIT LENGTH (e.g. 5m FOR GUARD FENCE) AND ROUNDED UP TO SUIT.
- WHOLE BARRIER UNIT LENGTH. VALUES CALCULATED FROM THE X, Y AND Z VALUES FIGURE ALREADY CONSIDER AADT VOLUMES AND SHALL
- BE LOCATED WITHIN OPPOSING TRAFFIC CLEAR ZONE, USE AN APPROVED APPROACH TERMINAL. REFER RDN 06-04.
- IDEALLY, THIS FLAT AREA SHOULD COVER THE FULL WIDTH FROM EDGE OF VERGE TO BARRIER.
- DISTANCES FIGURE.

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0.72	REFERENCES AND NOTES:	VICROADS SUPPLEMENTS TO AGRD	SD 3501, 4311 LOCATION	INVESTMENT AND DESIGN		ROAD SAFETY BARRIERS	
N N D	2. SAFETY BARRIER TERMINOLOGY, SHORTHAND AND GENERAL REQUIREMENTS SHALL BE IN	RDN 06-02 USE OF WIRE ROPE SAFETY BARRIERS	SD 3502 OFFSET TO KERB	SERVICES	Nicroads	SAFETY BARRIER (LINE A)	
Drawi	ACCORDANCE WITH SD 3500.	RDN 06-04 ACCEPTED SAFETY BARRIER PRODUCTS	AND SHOULDER	SAFE SYSTEM DESIGN		ALIGNMENT DETAILS	
] spr	4. RUNOUT AREA REQUIREMENTS IN ACCORDANCE WITH SD 3571 AND 3573.	AASHTO 2011 ROADSIDE DESIGN GUIDE	SD 3571, 3573 RUNOUT AREA	60 DENMARK STREET	STANDARD DRAWING		
VicRo		SD 3500 TERMINOLOGY, SHORTHAND AND GENERAL REQUIREMENTS		VICTORIA 3101 PHONE (03) 9854 2666		NOT TO SCALE APPROVED D.CASSAR 8/5/14 SD 3511 H	

